

CLAIMS

1. A composition comprising ornithine and/or one or more branched amino acids in a concentration effective for treating or preventing inflammatory disease.

2. The composition of claim 1, wherein the ornithine and/or branched amino acids are in the L-form.

3. The composition of claim 1, wherein the branched amino acids are selected from the group consisting of leucine, isoleucine and valine.

4. The composition of claim 1, which comprises ornithine and one or more branched amino acids.

5. The composition of claim 1, wherein the ornithine is an ornithine derivative which is a peptide comprising ornithine as the constitutive amino acid thereof.

6. The composition of claim 1, which is in a form suitable for administration to a subject in need thereof.

7. The composition of claim 6, wherein said form is a form suitable for oral administration.

8. The composition of claim 6, wherein said form is a medicinal form.

9. The composition of claim 8, wherein the medicinal form is a supplement or a transfusion.

10. The composition of claim 6, wherein said form is a food or a drink.

11. The composition of claim 10, wherein the food or drink is selected from the group consisting of a medical food, a health food, a specified health food, a medical drink, a health drink, and a specified health drink.

12. The composition of claim 1, wherein the ornithine and branched amino acids may be a free amino acids, a salts, or a derivatives that may be converted into a free amino acids *in vivo*.

13. The composition of claim 1, wherein said inflammatory disease is an arthritic disease.

14. A method for treating or preventing an inflammatory disease, which comprises administering an effective amount of ornithine and/or one or more branched amino acids to a  
5 subject in need thereof.

15. The method of claim 14, wherein the ornithine and/or branched amino acids are in a form suitable for oral administration.

16. The method of claim 14, wherein the ornithine and/or branched amino acids are in a medicinal form.

10 17. The method of claim 16, wherein the medicinal form is a supplement or a transfusion.

18. The method of claim 14, wherein the ornithine and/or branched amino acids are in a food or a drink.

19. The method of claim 18, wherein the food or drink is selected from the group  
15 consisting of a medical food, a health food, a specified health food, a medical drink, a health drink, and a specified health drink.

20. The method of claim 14, wherein the ornithine and branched amino acids may be a free amino acids, a salts, or a derivatives that may be converted into a free amino acids *in vivo*.

20 21. The method of claim 14, wherein said inflammatory disease is an arthritic diseases.